

ACE**Chassis C53**

General Description : Chassis type C53 is used in the "Minette" table radio receiver. It is a five-valve (including rectifier), three-waveband receiver for A.C./D.C. mains.

Power Supply : A.C./D.C. mains, 200–250 volts (three adjustment tappings). "Live" chassis.

Valves : (V1) 12AH8; (V2) 12BA6; (V3) 12AT6; (V4) 35L6GT; (V6) 35Z4GT.

Pilot Lamps : Two 3.5 volts, 0.15 amp.

Intermediate Frequency : 472 kc/s.

Alignment Procedure :

Waveband	Frequency, Mc/s.	Wavelength, m.	Adjust	
			Oscillator	Aerial
L.W.	0.15	2000	L.W. oscillator core	L.W. aerial core
	0.30	1000	L.W. oscillator trimmer	L.W. aerial trimmer
M.W.	0.6	500	M.W. oscillator core	M.W. aerial core
	1.5	200	M.W. oscillator trimmer	M.W. aerial trimmer
S.W.	6.0	50	S.W. oscillator core	S.W. aerial core
	15.0	20	S.W. oscillator trimmer	S.W. aerial trimmer

I.F. transformers are aligned for maximum output at 472 kc/s. with the tuning capacitor fully closed on L.W. The signal generator should be connected to the control grid of the 12AH8 (pin 2) through a 0.1- μ F. capacitor. Check that the pointer lines up with the marker above 50 m. when the tuning gang is fully closed.

R.F. alignment is carried out in the usual manner in the order shown above with the signal generator connected to the aerial and earth sockets through a dummy aerial.

The oscillator coils are those nearest the centre of the chassis. When aligning short waves slight gang rocking around the aligning frequency should be employed to obtain maximum output.



(Note : For simplicity, the trimming capacitors have been omitted.)